

SEP 16 2003

TECH CENTER 10



1600

## RAW SEQUENCE LISTING

DATE: 09/12/2003

PATENT APPLICATION: US/09/942,583A

TIME: 13:44:28

Input Set : A:\substitute Seq\_list 1581\_0840001.txt

Output Set: N:\CRF4\09122003\I942583A.raw

5 <110> APPLICANT: Robinson, Andrew  
6 Gorringer, Andrew  
7 Hudson, Michael  
8 Bracegirdle, Phillipa  
9 Kroll, John  
10 Cartwright, Keith  
11 Webb, Steven  
12 Langford, Paul  
13 Reddin, Karen  
14 O'Dwyer, Cliona  
16 <120> TITLE OF INVENTION: Neisserial Vaccine Compositions and Methods  
18 <130> FILE REFERENCE: 1581.0840001  
20 <140> CURRENT APPLICATION NUMBER: US 09/942,583A  
21 <141> CURRENT FILING DATE: 2001-08-31  
23 <150> PRIOR APPLICATION NUMBER: PCT/GB00/00624  
24 <151> PRIOR FILING DATE: 2000-02-22  
26 <160> NUMBER OF SEQ ID NOS: 16  
28 <170> SOFTWARE: PatentIn version 3.0  
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32 <211> LENGTH: 19  
33 <212> TYPE: DNA  
34 <213> ORGANISM: Unknown  
36 <220> FEATURE:  
37 <223> OTHER INFORMATION: PCR primer  
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46 <213> ORGANISM: Unknown  
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49 <223> OTHER INFORMATION: PCR Primer  
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55 <210> SEQ ID NO: 3  
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58 <213> ORGANISM: Unknown  
60 <220> FEATURE:  
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64 gtaaaacgac ggccagt 17  
67 <210> SEQ ID NO: 4

ENTERED

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69 <212> TYPE: DNA
70 <213> ORGANISM: Unknown
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81 <212> TYPE: DNA
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84 <220> FEATURE:
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92 <211> LENGTH: 22
93 <212> TYPE: DNA
94 <213> ORGANISM: Unknown
96 <220> FEATURE:
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99 <400> SEQUENCE: 6
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104 <211> LENGTH: 17
105 <212> TYPE: DNA
106 <213> ORGANISM: Unknown
108 <220> FEATURE:
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117 <212> TYPE: DNA
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121 <223> OTHER INFORMATION: Sequencing Primer
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132 <220> FEATURE:
133 <223> OTHER INFORMATION: Linker Sequence
135 <220> FEATURE:
136 <221> NAME/KEY: misc_feature
137 <222> LOCATION: (1)..(5)
138 <223> OTHER INFORMATION: Bam HI restriction site

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140 <220> FEATURE:
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142 <222> LOCATION: (75)..(76)
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147 <222> LOCATION: (8)..(15)
148 <223> OTHER INFORMATION: NotI restriction site
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157 <222> LOCATION: (22)..(33)
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167 <222> LOCATION: (46)..(51)
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172 <222> LOCATION: (52)..(75)
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178 atcatttcag acggct 76
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183 <212> TYPE: DNA
184 <213> ORGANISM: Unknown
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Complimentary Sequence to SEQ ID NO: 9
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192 acgtagcggc cgccggg 77
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196 <211> LENGTH: 20
197 <212> TYPE: DNA
198 <213> ORGANISM: Unknown
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Artificial sequence, alternative 5' end
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204 tttttggaga attgaccatg 20
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218 ccggccgccc cactggcgga aggcgcatcc ttacgtcca agccgatgcc gcacacgcaa      120
220 aagcctcaag ctcttttaggt tctgccaag gcttcagccc gcgcatctcc gcaggctacc      180
222 gcatcaacga cctccgcttc gccgtcgatt acacgcgcta caaaaactat aaagccccc      240
224 ccaccgattt caaactttac agcatcggcg cgtcgcgccat ttacgacttc gacacccaat      300
226 cgcccgtcaa accgtatctc ggcgcgcgct tgagcctcaa ccgcgcctcc gtcgacttgg      360
228 gcggcagcga cagcttcagc caaacctcca tcggcctcgg cgtattgacg ggcgtaagct      420
230 atgccgttac ccgaatgtc gatttggatg ccggctaccg ctacaactac atcggcaaag      480
232 tcaacactgt caaaaacgtc cgttccggcg aactgtccgt cggcgtgcgc gtcaaattct      540
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239 <211> LENGTH: 138
240 <212> TYPE: DNA
241 <213> ORGANISM: Unknown
243 <220> FEATURE:
244 <223> OTHER INFORMATION: pMIDG100 partial sequence
246 <400> SEQUENCE: 13
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249 tcgaattctg cagtcgacgg taccgcgggc ccgggatccg ctagcagttt taagattttt      120
251 ggagaattga ccatgagt                                138
254 <210> SEQ ID NO: 14
255 <211> LENGTH: 48
256 <212> TYPE: DNA
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259 <220> FEATURE:
260 <223> OTHER INFORMATION: pMIDG100 partial sequence
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266 <210> SEQ ID NO: 15
267 <211> LENGTH: 68
268 <212> TYPE: DNA
269 <213> ORGANISM: Unknown
271 <220> FEATURE:
272 <223> OTHER INFORMATION: pMIDG201 partial sequence
274 <400> SEQUENCE: 15
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277 tcgaattc                                68
280 <210> SEQ ID NO: 16
281 <211> LENGTH: 83
282 <212> TYPE: DNA
283 <213> ORGANISM: Unknown
285 <220> FEATURE:
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288 &lt;400&gt; SEQUENCE: 16

289 ggatcccggc ggccggctac gtaccatggg agctgccgg ggtccagctg caggctgtct 60

291 gaatcatttc agacggctct aga 83

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/942,583A

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